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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,063	03/03/2006	Bruno Guillaume	016915-0282	9512
22428 7590 06/03/2009 FOLEY AND LARDNER LLP			EXAMINER	
SUITE 500			YOON, TAE H	
3000 K STREET NW WASHINGTON, DC 20007			ART UNIT	PAPER NUMBER
	,		1796	
			MAIL DATE	DELIVERY MODE
			06/03/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/567.063 GUILLAUME, BRUNO Office Action Summary Examiner Art Unit Tae H. Yoon 1796 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 28 April 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-3 and 5-35 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-3 and 5-35 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)

PTOL-326 (Rev. 08-06)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTC/G5/08)
Paper No(s)/Mail Date ______

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6) Other:

Notice of Informal Patent Application

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Amendment to specification (page 2, line 15), "molecular weight of from 50-900" to "molecular weight of from 50-1000" based on the original claim 1, is suggested. Also, the period (.) is missing at the end of a sentence in line 9.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-3 and 5-35 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Again, the recited molecular weight of more than 400 in claim 1 is indefinite absent a particular molecular weight such as a number average or weight average molecular weight. Applicant failed to respond to the rejection. Note that properties of a polymer would be dependent on the molecular weight of the polymer and said (number average or weight average) molecular weight would be different based on polydispersity (Mw/Mn) of the polymer, especially in view of the fact that the upper limit of the molecular weight is open.

Now recited "--- the polymer matrix comprises at least two different polymers, A and " and "wherein the polymers A and B, --- as discrete layers lying side by side" in claim 1 is confusing and indefinite since said <u>at least</u> two different polymers encompass several polymers such as A, B, C and D, for example, but only A and B are recited and since it is unclear as to the state (separate layer or blend, for example) of other polymers such as said polymers C and D when present. Note that the scope of the

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original claim 4 with claim 1 is directed to discrete layers of a sponge-like structure lying side by side regardless of the number of polymers including said several polymers since the expression of "polymers A, B, ----" was recited.

The recited interpenetrating network of claims 2 and 3 improperly broadens scope of the amended claim 1 wherein side by side discrete layers are claimed, and thus it is confusing and indefinite.

The recited (meth-)acrylate monomer for copolymers in Y) of claim 1 does not have hydrophilic groups, and thus it is indefinite. The recited polymers (b) in claim 8 do not have hydrophilic groups, and thus it is indefinite. Claim 9 is confusing since claim 8 does not recite maleinized polybutadiene and refers to the maleinized polymer of claim 1 rather than the particular polymer(s) of claim 8.

A sentence ending period (.) is missing from claim 6.

The recited values of the surface tension in claim 18 is indefinite since it is unclear whether said value is based on the layer of the polymer A or B or both since the two different polymers would have different surface tensions.

Claim 25 is confusing since it is unclear how spheres would form from the polymer matrix having side by side discrete layers of claim 1.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tae H. Yoon whose telephone number is (571) 272-1128. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tae H Yoon/ Primary Examiner Art Unit 1796

THY/May 28, 2009